

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A wireless network system comprising:
a first radio-relay terminating station;
a first radio-relay station being connected to said first radio-relay terminating station in a wireless manner;
a wireless terminal being connected to said first radio-relay station in a wireless manner; and
wherein said first radio-relay terminating station preserves a plurality of network addresses to be assigned to said first radio-relay station and to said wireless terminal, assigns a first network address belonging to said plurality of network addresses to said first radio-relay station and collectively feeds a first address pool making up a part of said plurality of network addresses to the first radio-relay station and wherein said first radio-relay station preserves said first address pool and assigns a second network address belonging to said first address pool to said wireless terminal.
2. (Currently Amended) The wireless network system according to claim 1, further comprising a second radio-relay station, wherein said second radio-relay station preserves a second address pool being different from said first address pool and wherein, when said first radio-relay station is connected to said second radio-relay station ~~as a parent station~~, said second radio-relay station assigns a third network address belonging to said second address pool to said first radio-relay station.
3. (Previously Presented) The wireless network system according to claim 2, wherein, when said second radio-relay station is connected to said first radio-relay terminating station, said second address pool makes up of a part of said plurality of network addresses and said first address pool is not updated and said second network address is not updated.

4. (Previously Presented) The wireless network system according to claim 2, further comprising second radio-relay terminating station which preserves a second plurality of network addresses being different from said plurality of network addresses and wherein, when said second radio-relay station is connected to said second radio-relay terminating station, said first address pool is updated to become still a third address pool making up a part of said other plurality of network addresses and said second network address is updated to become a fourth network address belonging to said third address pool.

5. (Previously Presented) A network address assigning method for assigning a network address to a first radio-relay station and a wireless terminal in a wireless network system made up of a first radio-relay terminating station, said first radio-relay station, and said wireless terminal, said method comprising:

a step of feeding a plurality of network addresses to said first radio-relay terminating station;

a step of assigning a first network address belonging to said plurality of network addresses to said first radio-relay station being connected to said first radio-relay terminating station in a wireless manner;

a step of notifying said first radio-relay station being connected to said first radio-relay terminating station in said wireless manner of a first address pool making up a part of said plurality of network addresses; and

a step of assigning a second network address belonging to said first address pool to said wireless terminal being connected to said first radio-relay station in a wireless manner.

6. (Currently Amended) The network address assigning method according to claim 5, wherein said wireless network system includes a second radio-relay station having a second address pool being different from said first address pool and wherein, when said first radio-relay station is connected to said second radio-relay

~~station as a parent station~~, a third network address belonging to said second address pool is assigned to said first radio-relay station.

7. (Previously Presented) The network address assigning method according to claim 6, wherein, when said second radio-relay station is connected to said radio-relay terminating station, said second address pool makes up said plurality of network addresses and said first address pool is not updated and said second network address is not updated.

8. (Currently Amended) The network address assigning method according to claim 6, wherein said wireless network system includes a second radio-relay terminating station and wherein, when said second radio-relay station is connected to said second radio-relay terminating station, said network address assigning method comprises:

a step of feeding a second plurality of network addresses being different from said plurality of network addresses to said second radio-relay terminating station;

a step of notifying said second radio-relay station of a fourth address pool making up a part of said other plurality of network addresses;

a step of notifying said first radio-relay station of a third address pool making up another part of said other plurality of network addresses via said second radio-relay station ~~as a parent station~~; and

a step of assigning a fourth network address belonging to said third address pool to said wireless terminal.

9. (Previously Presented) The network address assigning method according to claim 8, wherein each of said network addresses contains a value corresponding to one of the radio-relay terminating station and wherein, when said value belonging to said first network address is different from said value belonging to said third network address, still said third address pool is notified.